

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 12/21/2017 09:14 AM
Cytometer Baseline: 10/18/2017 09:13 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125989	0	1.45	125835	1.39
Blue	F	SSC	125000	124237	-1	3.33	124511	3.06
Blue	E	FITC	23615	22942	-3	2.48	1026	10.52
Blue	D	PE	26739	26491	-1	2.11	951	9.88
Blue	B	PerCP-Cy5-5	48339	47414	-2	3.56	1359	17.06
Blue	A	PE-Cy7	45021	44457	-2	5.27	690	35.62
Red	C	APC	53064	52795	-1	2.86	3031	9.44
Red	A	APC-Cy7	57175	56699	-1	2.79	1187	10.96
Violet	B	V450	14728	14138	-5	4.98	674	9.45
Violet	A	V500	58621	57032	-3	4.70	2525	7.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19488	2.29	609	-5	N/A	N/A	Pass
Blue	F	SSC	61403	1.47	547	1	N/A	N/A	Pass
Blue	E	FITC	113	40.59	544	-4	0.0196	179	Pass
Blue	D	PE	209	29.65	536	0	0.1628	271	Pass
Blue	B	PerCP-Cy5-5	211	46.27	633	-2	0.0100	128	Pass
Blue	A	PE-Cy7	74	121.30	691	-2	0.0118	17	Pass
Red	C	APC	356	27.22	596	-1	0.0206	54	Pass
Red	A	APC-Cy7	129	40.07	578	-2	0.0059	1830	Pass
Violet	B	V450	82	44.82	463	-7	0.0522	2644	Pass
Violet	A	V500	183	23.94	490	-7	0.0145	686	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.57	-31.27	0.96
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.35
Red	18.98	14.40 - 21.60	N/A	N/A	31.12	31.39	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10393

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments